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Notice of Allowability	Application No.	Applicant(s)	
	10/533,490	JARALLA, ABDULGHANI	
	Examiner	Art Unit	
	David A. Rogers	2856	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed 30 November 2005.
2. ☒ The allowed claim(s) is/are 1-18.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>7/14/06</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. Authorization for this examiner's amendment was given in a telephone interview with Thomas Spath on 26 September 2006. The application has been amended as follows:

Replace Claims 1, 5, 8, and 9 with the following:

1. A rotational test electrode assembly for use in a corrosive fluid environment comprising:

a) a generally cylindrical heat and electrically conductive member having an annular portion, a solid portion, and mounting means for attaching a rotational electrode in close-fitting heat and electrically conductive relation, the electrode being selected from the group consisting of cylindrical and disk electrodes;

b) a heating device positioned inside of the annular portion and in heat exchanging relation with the solid portion of the conductive member;

c) a corrosion resistant external protective member that surrounds a portion of the heat conductive member in close-fitting relationship;

d) electrical terminal means for receiving a plurality of external electrical connectors that is mounted on the protective member opposite the portion of the conductive member on which the rotational electrode is mounted; and

e) driving means to rotate the rotational test electrode assembly.

5. The rotational test electrode assembly of claim 1 which further comprises mounting means proximate the electrical terminal means for coupling the assembly to the rotational drive means.

8. The rotational test electrode assembly of claim 1, wherein the protective member is formed from an electrically insulative polymer.

9. The rotational test electrode assembly of claim 8, wherein the polymer is selected from the group consisting of polytetrafluoroethylene, polyethylene, polypropylene, polyvinyl chloride, and copolymers thereof.

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Drawings

2. The drawings filed on 28 April 2005 are acceptable subject to correction of the following: The drawings have numerous reference item numbers and labels that are not readable. The drawings show elements that cannot be easily seen; e.g., the thermistors. The drawings have numerous lines which are broken thus not clearly showing the various embodiments.

3. In order to avoid abandonment of this application, correction is required in reply to the Office action. The correction will not be held in abeyance.

Allowable Subject Matter

4. Claims 1-18 are allowed.

5. The following is an examiner's statement of reasons for allowance:

The prior art teaches several different types of corrodible test electrode assemblies. See, for example, United States Patents 2,519,323 to Shank *et al.*, 3,627,493 to Manley, and 5,006,786 to McKubre *et al.* Shank *et al.* discloses a rotating test assembly. However, there is no teaching or suggestion for providing a heat and electrically conductive portion having a solid portion, an annular portion, and mounting means. Shank *et al.* also does not disclose a heating device. McKubre *et al.* also teaches a rotating test assembly having an annular portion. However, like Shank *et al.*, there is no teaching or suggestion for rotating the test assembly. Manley discloses a static test assembly. While Manley discloses heating means inside an annular member there is no teaching or suggestion to rotate the test assembly.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should

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preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David A. Rogers whose telephone number is (571) 272-2205. The examiner can normally be reached on Monday - Friday (0730 - 1600). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron E. Williams can be reached on (571) 272-2208. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


26 September 2006


HEZRON WILLIAMS
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